

CLAIMS

What is claimed is:

1. A network architecture for blocking access to pay per use Internet services comprising:

at least one server that delivers the Internet services;

a connection sharing computer in communication with the server, wherein the connection sharing computer receives the Internet services;

at least one network device comprising an Internet Protocol address, the network device in communication with the connection sharing computer, wherein the connection sharing computer provides the Internet services to the network device; and

at least one Internet Protocol sniffer module in communication with the server,

wherein the Internet Protocol sniffer pings the network device to determine presence of the network device and communicates the presence to the server such that access to the Internet services by the network device may be blocked

2. The network architecture of Claim 1 further comprising a router in communication with the server to manage data flow between a plurality of networks.

3. The network architecture of Claim 1 further comprising a local mini-hub, wherein the connection sharing computer communicates with the network device through the local mini-hub.

4. The network architecture of Claim 1, wherein the Internet Protocol address of the network device is dynamically assigned by the connection sharing computer using dynamic host configuration protocol.

5. The network architecture of Claim 1, wherein the Internet Protocol address of the network device is statically assigned.

6. The network architecture of Claim 1 further comprising an external Internet device, wherein the connection sharing computer provides access to the server for the external Internet device.

7. The network architecture of Claim 1 further comprising a plurality of network devices, wherein the connection sharing computer provides access to the Internet services for the plurality of network devices.

8. The network architecture of Claim 7, wherein the plurality of network devices communicate with one another through the Internet Protocol addresses, thereby forming a local network.

9. The network architecture of Claim 8, wherein the plurality of network devices communicate with one another using TCP/IP protocol.

10. The network architecture of Claim 1, wherein the Internet Protocol addresses of the network devices are not detectable by external Internet devices.

11. The network architecture of Claim 1, wherein the connection sharing computer provides access to shared resources for the network device.

12. A network architecture for blocking access to mobile pay per use Internet services comprising:

at least one server that delivers the Internet services;

a connection sharing computer in communication with the server, wherein the connection sharing computer receives the Internet services;

seat electronics in communication with the server;

a plurality of network devices, each comprising an Internet Protocol address, the network devices in communication with the seat electronics and the connection sharing computer, wherein the connection sharing computer provides the Internet services to the network devices; and

a plurality of Internet Protocol sniffer modules in communication with the seat electronics,

wherein the Internet Protocol sniffers ping the network devices to determine presence of the network devices and communicate the presence to the server such that access to the Internet services by the network devices may be blocked.

13. The network architecture of Claim 12 further comprising a router in communication with the seat electronics and the server to manage data flow between a plurality of networks.

14. The network architecture of Claim 12 further comprising a local mini-hub, wherein the connection sharing computer communicates with the network devices through the local mini-hub.

15. The network architecture of Claim 12, wherein the plurality of network devices communicate with one another through the Internet Protocol addresses, thereby forming a LINKLOCAL network.

16. The network architecture of Claim 12, wherein the plurality of network devices communicate with one another using TCP/IP protocol.

17. The network architecture of Claim 12, wherein the Internet Protocol addresses of the network devices are not detectable by external Internet devices.

18. The network architecture of Claim 12, wherein the connection sharing computer provides access to shared resources for the network devices.

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19. A method of blocking access to pay per use Internet services, the method comprising the steps of:

- (a) providing Internet services to a mobile platform through a server in communication with a connection sharing computer;
- (b) providing the Internet services from the connection sharing computer to a plurality of network devices;
- (c) pinging the network devices with an Internet Protocol sniffer to determine the presence of a network device; and
- (d) reporting the presence of the network device to the server.

20. The method of Claim 19, wherein the Internet Protocol sniffer is in communications with seat electronics of the mobile platform.

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